

Form PTO-1449		Docket Number (Optional) AVI-001.03		Application Number 09/877,406			
INFORMATION DISCLOSURE IN AN APPLICATION (Use several sheets if necessary)		Applicant Handelsman et al.		Filing Date June 8, 2001			
SEP 24 2001 PATENT & TRADEMARK OFFICE		Group Art Unit 1636					
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	FILING DATE IF APPROPRIATE		
SLH	AA	5,958,672	Short et al.				
SLH	AB	5,824,485	Thompson et al.				
SLH	AC	5,783,431	Peterson et al.				
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
SLH	BA	WO 95/33818	12/14/95	PCT			
SLH	BB	O 468 220 A2	1/29/92	Austria			
	BC	WO 97/12991	9/20/96	PCT			
	BD	WO 97/20952	6/12/97	PCT			
	BE	WO 96/34112	10/31/96	PCT			
	BF	WO 95/08548	3/30/95	PCT			
	BG	WO 97/20918	6/12/97	PCT			
	BH	WO 96/40968	12/19/96	PCT			
	BI	WO 97/03202	1/30/97	PCT			
	BJ	WO 97/04077	2/6/97	PCT			
SLH	BK	WO 95/34646	12/21/95	PCT			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages Etc.)							
SLH	CA	Healy et al. (1994), <i>Direct Isolation of Genes from the Microbial Community of a Thermophilic Anaerobic Biomass Digester</i> , ABSTR. GEN. MEET. AM. SOC. MICROBIOL. 94:366.					
SLH	CB	Schmidt et al. (1991), <i>Analysis of a Marine Picoplankton Community by 16S rRNA Gene Cloning and Sequencing</i> , J. BACTERIOL. 173(14):4371.					
SLH	CC	Fuhrman et al. (1988), <i>Extraction from Natural Planktonic Microorganisms of DNA Suitable for Molecular Biological Studies</i> , APPL. ENVIRON. MICROBIOL. 54:1426.					
SLH	CD	Carte (1993), <i>Marine Natural Products as a Source of Novel Pharmacological Agents</i> , CURR. OPIN. BIOTECH. 4:275.					

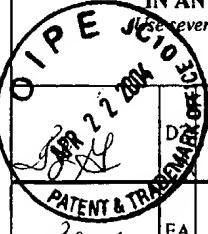
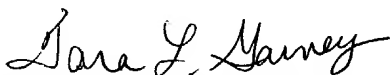
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CE	✓	Smokvina, T. (1990), Construction of a Series of pSAM2-Based Integrative Vectors for Use in Actinomycetes, GENE 94(1):53.	
CF	✓	Osburne et al. (1993), An Assay for the Detection of Bacterial DNA Gyrase Inhibitors, J. ANTIBIOT. 46(11):1764.	
CG		Brosch, R. et al. (1998), Use of a Mycobacterium Tuberculosis H37Rv Bacterial Artificial Chromosome Library for genome Mapping, Sequencing and Comparative Genomics, INFECTION AND IMMUNITY 66:21.	
CH		Ioannou, P. et al. (1994), A New bacteriophage P1-Derived Vector for the Propagation of Large Human DNA Fragments, NATURE GENETICS, 6:84.	
CI		Kim, U.-J. et al. (1996), Construction and Characterization of a Human Bacterial Artificial Chromosome Library, GENOMICS, 34:213.	
CJ		Liew, C. C. et al. (1994), A618R Homo Sapiens cDNA Clone A618, PROC. NATL. ACAD. SCI. U.S.A., 91:10645.	
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CM		Ohmori, H. et al. (1995), <i>dinP</i> , a New Gene in Escherichia Coli, Whose Product Shows Similarities to UmuC and its Homologues, MUTATION RES. LETT., 347:1.	
CN		Primrose (1996), Genomanalyse, SPEKTRUM AKADEMISCHER VERLAG, 76.	
CO		Szebenyi et al., Insulin-Like Growth Factor II/Cation-Independent Mannose-6-Phosphate Receptor Precursor-Mouse, XP-002104663 Abstract.	
CP		Shizuya, H. et al (1992), Cloning and Stable Maintenance of 300-Kilobase-Pair Fragments of Human DNA in Escherichia Coli, PROC. NATL. ACAD. SCI. U.S.A., 89:8794.	
CQ		Woo, S. -S. et al (1994), Construction and Characterization of a Bacterial Artificial Chromosome Library of Sorghum Bicolor, NUCLEIC ACIDS RES., 22:4922.	
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CS		Stein, J.L. et al. (1996), Archaeal Ubiquity, PROC. NATL. ACAD. SCI. USA 93:6228.	
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CW		Jones, S. (1995), An Update and Lessons from Whole-Genome Sequencing Projects, CURR. OPIN. IN GEN. & DEVEL. 5:349.			
CX		Koonin, E.V. et al. (1996), Sequencing and Analysis of Bacterial Genomes, CURR. BIO. 6(4):404.			
CY		Fereyra, R.G. et al. (1993), Cloning, Characterization, and Functional Expression in <i>Escherichia coli</i> of Chaperonin (groESL) Genes From the Phototropic Sulfur Bacterium <i>Chromatium Vinosum</i> , J. OF BACT. 175(5):1514.			
CZ		Kawai, S. et al. (1993), A Simple Method of Detecting Amplified DNA With Immobilized Probes on Microtiter Wells, ANALYTIC BIOCHEM. 209:63.			
DA		Hancock, J.M. (1996), Simple Sequences and the Expanding Genome, BIOESSAYS 18(5):421.			
DB		He, H. et al. (1994), Zwittermicin A, an Antifungal and Plant Protection Agent from <i>Bacillus Cereus</i> , TETRAHEDRON LETTERS 35(16):2499.			
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DD		Devine, K.M. et al. (1995), Bacterial Genomes: a TIGR in the Tank, TIG 11(11):429.			
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DF		Fonstein, M et al. (1995), Physical Mapping of Bacterial Genomes, J. OF BACTERIOLOGY 177:3361.			
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DK		Wells, W.A. (1997), Seeking Extremophiles, INNOVATIONS 4(5):401.			
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SLY		DM	Licitra, E. et al (1996), <i>A Three-Hybrid System for Detecting Small Ligand-Protein Receptor Interactions</i> , PROC. NATL. ACAD. SCI. USA 93:12817.			
EXAMINER		Lara L. Hurney		DATE CONSIDERED 6/24/04		
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.						

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Form PTO-1449		Docket Number (Optional) WA1-001.03 (formerly AVI-001.03)		Application Number 09/877,406	
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FOREIGN PATENT DOCUMENTS					
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS Translation YES NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages Etc.)					
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SLH	DO	Suzuki, M. et al., <i>Bacterial Diversity among Small-Subunit rRNA Gene Clones and Cellular Isolates from the Same Seawater Sample</i> , Applied and Environmental Microbiology, Mar. 1997, p. 983-989.			
SLH	DP	August, P.R. et al., <i>Sequence Analysis and Functional Characterization of the Violacein biosynthetic Pathway from Chromobacterium Violaceum</i> , J. Mol. Microbiol. Biotechnol (2000) 2(4): 513-519.			
SLH	DQ	Beja, O. et al., <i>Bacterial Rhodopsin: Evidence for a New Type of Phototrophy in the Sea</i> , Science, 289, Sept. 2000, pp. 1902-06.			
SLH	DR	Brady, S. et al., <i>Long-Chain N-Acyl Amino Acid Antibiotics Isolated from Heterologously Expressed Environmental DNA</i> , J. Am. Chem. Soc. 2000, 122, 12903-12904.			
SLH	DS	Brady, S. et al., <i>Cloning and Heterologous Expression of a Natural Product Biosynthetic Gene Cluster from eDNA</i> , Organic Letters, 2001, 3(13): 1981-1984.			
SLH	DT	Entcheva, P. et al., <i>Direct Cloning from Enrichment Cultures, a Reliable Strategy for Isolation of Complete Operons and Genes from Microbial Consortia</i> , Applied and Environmental Microbiology, Jan. 2001, p. 89-99.			
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SLH	DX	Lorenz, P. et al., <i>Expression Cloning of Metagenome DNA from Soil</i> .			
SLH	DY	MacNeil, I.A. et al., <i>Expression and Isolation of Antimicrobial Small Molecules from Soil DNA Libraries</i> , J. Mol. Microbiol. Biotechnol. (2001) 3(2): 301-308.			

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		DE	Rondon, M. et al., <i>Toward Functional Genomics in Bacteria: Analysis of Gene Expression in Escherichia Coli From A Bacterial Artificial Chromosome Library of Bacillus Cereus</i> , Proc. Natl. Acad. Sci. USA, Vol. 96, pp. 6451-6455, May 1999.			
		EA	Rondon, M. et al., <i>The Earth's Bounty: Assessing and Accessing Soil Microbial Diversity</i> , TIB TECH, Oct. 1999, Vol. 17, pp. 403-409.			
		EB	Rondon, M. et al., <i>Cloning the Soil Metagenome: a Strategy for Accessing the Genetic and Functional Diversity of Uncultured Microorganisms</i> , Applied and Environmental Microbiology, June 2000, p. 2541-2547.			
		EC	Wang, G. et al., <i>Novel Natural Products from Soil DNA Libraries in a Streptomyces Host</i> , Organic Letters, (2000) 2(16): pp. 2401-2404.			
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	EF	The Bugs That Live In Bugs, The Economist, Aug. 31 (1996), pp. 65-67.				
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